BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE, PROJECT DIVISION

MODIFIED ESTIMATE FOR THE WORK OF : PROVIDING STRUCTURAL ROOF COVERING(BY SPACE FRAMES)OVER GALLERY TO HOYSALA PLAY GROUND BEHIND YELAHANKA NEW TOWN BUS STAND IN WARD NO.04

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
1	Supply and fixing of single skin kalzip roofing systems of 65/400, 0.9mm thick Aluminium standing seam roof sheets. The sheets comprise of Profiled sheeting of Aluminium self-supported standing seam roof system manufactured from Aluminium alloy AA 3004, minimum material thickness of 0.9mm and PVDF finishing RAL 9006 on the exposed surface with ST clips and necessary accessories. Structure: (i) Supplying, cutting, bending and fabricating hot rolled plates, sag rods, brackings and connection bolts to form a column, truss with base plates and purlins. (ii) Erection of the above truss work structure at required height. (iii) Providing and applying one coat of red oxide primer and two coats of synthetic enamel paint. The scope of work includes a) Design, Engineering, Fabrication and erection of steel structure, roof sheeting and facade system. b) Supply and installation of flashing, capping, screws and all other necessary accessories (Approved Rates)								
		Sqmt							
	East side		1	75.00	6.25		468.75		
	North side Gate upstream		1	41.75	7.60		317.30		
	North side Gate downstream		1	62.90	7.60		478.04		
	Pavillion Building								
	Area -1		1	5.38	9.45		50.84		
	Area -2		1	25.17	9.63		242.39		
	Area -3		1	5.48	9.45		51.79		
							1609.10	**17271.00**	**27790837.00**
	Tender quoted rates	**17271.00**							
2	Providing and laying cement concrete using 20mm and down size granite jelly of Ready Mixed Cement Concrete for Column Footings, M-20 (1:1.5:3) laid in 15 cms thick layers and well compated vibrating, curing, finishing with necessary cement mortar, pumping of concrete, with all lead and lifts, hire charges of machinaries, loading, unloading, levelling as per specification and direction of the Engineer-in-charge.compelte (exclusive of cost of steel and fabrication charges) with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	2nd Bill								
	Gallery side RCC columns	Cum							
	East side		11	0.30	0.45	1.00	1.49		
	North side Gate upstream		6	0.30	0.45	1.00	0.81		
	North side Gate downstream		6	0.30	0.45	1.00	0.81		
							3.11		
	3rd Bill								
	Pavillion Building columns								
	F1		1	0.60	0.45	1.90	0.51		
	F2		1	0.60	0.45	1.90	0.51		
	F3		1	0.60	0.45	1.05	0.28		
	F4		1	0.60	0.45	1.00	0.27		
	F5		1	0.60	0.45	1.00	0.27		
	F6		1	0.60	0.45	1.00	0.27		
	F7		1	0.60	0.45	1.90	0.51		
	F8		1	0.60	0.45	1.90	0.51		
	B1		1	0.60	0.45	1.05	0.28		
	B2		1	0.60	0.45	1.05	0.28		
	B3		1	0.60	0.45	1.05	0.28		
	B4		1	0.60	0.45	1.00	0.27		
	B5		1	0.60	0.45	1.00	0.27		
	B6		1	0.60	0.45	1.05	0.28		
	B7		1	0.60	0.45	1.05	0.28		
	B8		1	0.60	0.45	1.00	0.27		
	Total						**5.37**		
					Total		**8.48**	**7144.00**	**60603.00**
	Tender quoted rates	**7144.00**							

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
3	Providing and fixing 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	1st Bill	Sqm							
	1) West side Gallery (North side to pavilion)								
	1st Bay								
	1st Riser		1	6.47		0.50	3.24		
	1st Tread		1	6.47	0.90		5.82		
	2nd Riser		1	7.30		0.45	3.29		
	2nd Tread		1	7.30	0.90		6.57		
	3rd Riser		1	8.20		0.45	3.69		
	3rd Tread		1	8.20	0.90		7.38		
	4th Riser		1	9.10		0.45	4.10		
	4th Tread		1	9.10	1.17		10.65		
	5th Riser		1	9.90		0.45	4.46		
	2nd Bay								
	1st Riser		1	14.40		0.50	7.20		
	1st Tread		1	14.40	0.90		12.96		
	2nd Riser		1	14.40		0.45	6.48		
	2nd Tread		1	14.40	0.90		12.96		
	3rd Riser		1	14.40		0.45	6.48		
	3rd Tread		1	14.40	0.90		12.96		
	4th Riser		1	14.40		0.45	6.48		
	4th Tread		1	14.40	1.15		16.56		
	5th Riser		1	14.40		0.45	6.48		
	3rd Bay								
	1st Riser		1	14.35		0.50	7.18		
	1st Tread		1	14.35	0.90		12.92		
	2nd Riser		1	14.35		0.45	6.46		
	2nd Tread		1	14.35	0.90		12.92		
	3rd Riser		1	14.35		0.45	6.46		
	3rd Tread		1	14.35	0.90		12.92		
	4th Riser		1	14.35		0.45	6.46		
	4th Tread		1	14.35	1.15		16.50		
	5th Riser		1	14.35		0.45	6.46		
	4th Bay								
	1st Riser		1	11.15		0.50	5.58		
	1st Tread		1	11.15	0.90		10.04		
	2nd Riser		1	11.15		0.45	5.02		
	2nd Tread		1	11.15	0.90		10.04		
	3rd Riser		1	11.15		0.45	5.02		
	3rd Tread		1	11.15	0.90		10.04		
	4th Riser		1	11.15		0.45	5.02		
	4th Tread		1	11.15	1.15		12.82		
	5th Riser		1	11.15		0.45	5.02		
	Last Tread		1	56.35	1.40		78.89		
	2) Steps								
	1st Riser								
	1st to 15th Riser		45	1.60		0.13	9.36		
	1st to 15th Tread		42	1.60	0.30		20.16		
	3) Granite Steps @ Skating gate								
	1st Riser to 5th								
	1st to 5th Riser		5	3.00		0.10	1.50		
	1st to 5th Tread		5	3.00	0.28		4.20		
	4) South Side Gallery								

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	1st Landing		1	70.50	0.70		49.35		
	1st Riser		1	70.50		0.40	28.20		
	1st Tread		1	70.50	0.93		65.57		
	2nd Riser		1	70.50		0.42	29.61		
	2nd Tread		1	70.50	0.94		66.27		
	3rd Riser		1	70.50		0.42	29.61		
	3rd Tread		1	70.50	1.05		74.03		
	4th Riser		1	70.50		0.43	30.32		
	4th Tread		1	70.50	1.35		95.18		
	5) Staircase @ Shuttle court (at 90.50 RL)								
	Landing		1	4.85	1.20		5.82		
	Riser		24	1.00		0.15	3.60		
	Tread		22	1.00	0.32		7.04		
	6) Staircase @ office (Ladies & Gents Toilet)								
	Landing		1	4.50	1.25		5.63		
	Riser		32	1.05		0.15	5.04		
	Tread		30	1.05	0.32		10.08		
	VVIP Gallery Connecting slab 2 side steps, Passage								
	7) Connecting slab blw VIP to VIP Gallery								
	Slabs		1	9.00	1.70		15.30		
	Staircase								
	Tread		12	1.70	0.30		6.12		
	Riser		14	1.70	0.15		3.57		
					Total Qty		**938.99**	**2354.00**	**2210382.00**
	Tender quoted rates	**2354.00**							
4	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	1st Bill								
	Bifurcation Between 90.00 RL & 90.50 RL	Sqm							
	From North to South side Gallery		1	72.00	2.90		208.80		
	Bifurcation between Skating & Shuttle court		1	19.10	2.90		55.39		
						Total	**264.19**	**787.00**	**207918.00**
	Tender quoted rates	**787.00**							
5	Providing and fixing M.S. Hand railing for Balcony/Staircase etc., with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing with inclusive of all lead and lift and directions of the Engineer in charge of the work								
		Sqm							
	1st Bill								
	Frant of Security Room								
	(6.95+2)		1	8.95		0.95	8.50		
	Between Approach gallery west side gallery								
			1	7.75		0.95	7.36		
			1	5.85		0.95	5.56		
			1	2.70		0.95	2.57		
	VIP Gallery gym room backside column								
			2	6.00		0.60	7.20		
			2	6.80		0.60	8.16		
			2	1.10		0.60	1.32		
	North entrance gallery end side								

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
			2	4.20		0.95	7.98		
			2	1.00		0.95	1.90		
	Gate west side gallery & VIP Gallery		1	1.55		2.45	3.80		
					Total Qty		54.35	3309.00	179828.00
	Tender quoted rates	**3309.00**							
6	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	1st Bill	Mtr							
	Bifurcation between 90.00 RL & 90.50 RL								
			19	3.45			65.55		
	Skating & Shuttle Court		13	2.90			37.70		
							103.25	1119.00	115537.00
	Tender quoted rates	**1119.00**							
7	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	1st Bill	Mtr							
			4	1.35			5.40		
	Gate (Horizontal)		4	1.25			5.00		
	Gate (Verticle)		2	2.05			4.10		
	Above Gate		2	1.35			2.70		
			4	1.10			4.40		
			4	2.92			11.68		
			4	2.90			11.60		
			4	2.95			11.80		
			4	2.95			11.80		
			4	2.95			11.80		
			4	2.95			11.80		
			4	2.95			11.80		
			4	2.95			11.80		
			4	2.90			11.60		
			4	2.90			11.60		
			4	3.65			14.60		
			4	2.90			11.60		
			4	2.95			11.80		
			4	2.90			11.60		
			4	2.90			11.60		
			4	2.95			11.80		
			4	2.95			11.80		
			4	2.90			11.60		
			4	2.90			11.60		
			4	2.95			11.80		
			4	2.90			11.60		
			4	2.85			11.40		
			4	3.05			12.20		
	Gate (Verticle)		2	2.00			4.00		
			4	3.10			12.40		
			4	3.10			12.40		
			4	3.10			12.40		
			4	3.10			12.40		
			4	3.10			12.40		

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
			Total				359.88	381.00	137114.00
	Tender quoted rates	**381.00**							
8	Providing precast Eurocon Tiles, Red colour for footpath 20mm thick using marble chips at 7-10 nominal size laid on bed CM 1:3 mix and jointed with red oxide cement slurry mixed pigment to match the shade to tiles, rubbing, polishing oxalic acid wash, wax polish included cost of materials and labour... with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	1st Bill	Sqm							
	Skating Alround								
	Skating Gate side		1	34.20		2.10	71.82		
	Skating East gallery Side		1	34.20		1.80	61.56		
	Skating South gallery		1	15.20		1.80	27.36		
	Skating Volley ball side		1	15.20		2.10	31.92		
	VVIP Portico L=(9.3+12.5)/2 and D=(3.8+3.56)/2		1	10.90		3.67	40.00		
			Total				232.66	1437.00	334337.00
	Tender quoted rates	**1437.00**							
9	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification, with inclusive of all lead and lift and directions of the Engineer in charge of the work								
	1st Bill	Sqm							
	Above Compound wall Grill								
	East Side gallery parapet wall @ bus stand side		1	78.70		0.60	47.22		
	Pavilion front side building compound(0.65+0.44)/2		1	1.90		0.55	1.04		
	(0.65+0.4)/2		1	3.70		0.53	1.94		
	(0.65+0.4)/2		6	2.35		0.53	7.40		
	(0.65+0.4)/2		1	0.80		0.53	0.42		
	(0.65+0.4)/2		1	2.50		0.53	1.31		
	(0.65+0.4)/2		1	2.50		0.53	1.31		
	(0.65+0.4)/2		7	2.17		0.53	7.97		
	(0.65+0.4)/2		1	2.00		0.53	1.05		
	(0.65+0.4)/2		1	3.00		0.53	1.58		
						Total Qty	**71.24**	**6655.00**	**474102.00**
	Tender quoted rates	**6655.00**							
	ELECTRICAL WORKS								
10	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary.b)25mm dia 2mm thick								
	3rd Bill	Mtrs							
	9 shops						350.00		
	1 Security Rooms						50.00		
	Ladies toilets						150.00		
	Gents toilets						150.00		
	Total						**700.00**	**66.00**	**46200.00**
	Tender quoted rates	**66.00**							
11	Supplying And Fixing Metal Fan Box with Round Hook.								
	3rd Bill	Nos							
	9 shops						9		
	1 Security Rooms						1		
	Ladies toilets						4		

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Gents toilets						4		
	Total						**18**	**106.00**	**1908.00**
	Tender quoted rates	**106.00**							
12	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. b)25mm dia 2mm thick								
	3rd Bill	Mtrs							
	9 shops						110		
	1 Security Rooms						10		
	Ladies toilets & Gents toilets						80		
	Total						**200.00**	**67.00**	**13400.00**
	Tender quoted rates	**67.00**							
13	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete.4)8"x6"x3" (203x152x76mm)								
	3rd Bill	**Nos**							
	9 shops						9		
	Security Rooms						1		
	Ladies toilets & Gents toilets						4		
	Total						**14**	**84.00**	**1176.00**
	Tender quoted rates	**84.00**							
14	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete5)4"x4"x3" (101x101x76mm)								
	3rd Bill	Nos							
	9 Shops						9		
	Tender quoted rates	**78.00**					**9**	**78.00**	**702.00**
15	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete 7)3 to 4 Way								
	3rd Bill	Nos							
	9 Shops						18		
	Security Rooms						2		
	Ladies toilets & Gents toilets						10		
	Total						**30**	**53.29**	**1599.00**
	Tender quoted rates	**53.29**							
16	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.								
	3rd Bill	Sq CM							
	9 shops								
	1 Security Rooms								
	Ladies toilets								
	Gents toilets								
	Total						**18700.00**	**0.29**	**5423.00**
	Tender quoted rates	**0.29**							
17	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A. 1)6Amps one way.								
	3rd Bill	Nos							
	9 shops						82		
	Security Rooms						10		
	Ladies toilets						13		
	Gents toilets						13		
	Total						**118**	**57.00**	**6726.00**
	Tender quoted rates	**57.00**							
18	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A.3)6Amps 3way socket.								
	3rd Bill	Nos							
	9 shops						18		

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Security Rooms						4		
	Panel Board Rooms						12		
	Total						34	89.00	3026.00
	Tender quoted rates	89.00							
19	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A.4)Stepped Fan Regulator.								
	3rd Bill	Nos							
	9 shops						9		
	Security Rooms						1		
	Office Rooms						2		
	Total						12	271.00	3252.00
	Tender quoted rates	271.00							
20	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A.10)6/16Amps universal socket0								
	3rd Bill	Nos							
	9 shops						36		
	Security Rooms						2		
	Panel Board Rooms						4		
	Bathroom						8		
	Total						50	138.00	6900.00
	Tender quoted rates	138.00							
21	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A.11)32Amps DP switch								
	3rd Bill	Nos							
	9 shops						36		
	Security Rooms						2		
	Panel Board Rooms						4		
	Bathroom						8		
	Total						50	154.00	7700.00
	Tender quoted rates	154.00							
22	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet.GROUP A 1)Short point upto 3Mtr from tapping point to out let via switch box								
	3rd Bill	Point							
	9 shops						18		
	Total						18	166.00	2988.00
	Tender quoted rates	166.00							
23	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet.GROUP A2)Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box								
	3rd Bill	Point							
	9 shops						18		
	Total						18	247.00	4446.00
	Tender quoted rates	247.00							
24	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet.GROUP A3)Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box								
	3rd Bill	Point							
	9 shops						18		
	Security Rooms						2		
	Ladies toilets						8		

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Gents toilets						8		
	Total						36	384.00	13824.00
	Tender quoted rates	384.00							
25	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. 2)1.5 sqmm								
	3rd Bill	Mtrs							
	9 shops						180.00		
	Security Rooms						20.00		
	Ladies toilets						50.00		
	Gents toilets						50.00		
	Total						300.00	18.00	5400.00
	Tender quoted rates	18.00							
26	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. 2)2.5 sqmm								
	3rd Bill	Mtrs							
	Bathroom						200.00		
	Total						200.00	29.00	5800.00
	Tender quoted rates	29.00							
27	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B4)4 sqmm								
	3rd Bill	Mtrs							
	Security Room						30.00		
	Bathroom						170.00		
	Total						200.00	42.00	8400.00
	Tender quoted rates	42.00							
28	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B5) 6 sqmm								
	3rd Bill	Mtrs							
	9 Shops circuits						1700.00		
	Total						1700.00	61.00	103700.00
	Tender quoted rates	61.00							
29	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size .....mm conduit using necessary machine screws.80.mm								
	3rd Bill	Nos							
	9 shops						25		
	Total						25	41.00	1025.00
	Tender quoted rates	41.00							
30	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size .....mm conduit using necessary machine screws110mm								
	3rd Bill	Nos							
	9 shops						6		
	Ladies toilets & Gents toilets						5		
	Total						11	21.00	231.00
	Tender quoted rates	21.00							
31	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP B196 Amps lamp holder								
	3rd Bill	Nos							
	Shops						27		
	Security Room						3		
	Ladies & Gents Toilets						6		
	Total						36	44.00	1584.00
	Tender quoted rates	44.00							

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
32	Supplying patti type fluorescent tube light fitting of 4' -suitable for 28 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.								
	3rd Bill	Nos							
	Shops						27		
	Passage						5		
	Security Room						3		
	Gents toilets						4		
	Ladies Toilet						5		
	Total						**44**	**769.00**	**33836.00**
	Tender quoted rates	**769.00**							
33	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.								
	3rd Bill	Nos							
	Gents toilets						2		
	Total						**2**	**1954.00**	**3908.00**
	Tender quoted rates	**1954.00**							
34	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.12" Sweep (300mm)								
	3rd Bill	Nos							
	Ladies Toilets						2		
	Total						**2**	**4200.00**	**8400.00**
	Tender quoted rates	**4200.00**							
35	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)								
	3rd Bill	Nos							
	9 shops						9		
	Security Room						1		
	Gym Room						4		
	Yoga Room						4		
	Total						**18**		
				Qty Upto 125%			**17**	**2731.00**	**46427.00**
				Qty above 125%			**1**	**2731.00**	**2731.00**
	Tender quoted rates	**2731.00**							
36	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400mm)								
	3rd Bill	Nos							
	Central Room						2		
	Total						**2**	**2779.00**	**5558.00**
	Tender quoted rates	**2779.00**							
37	Supplying surface mounted type mirror optic luminaries for single/Twin 28watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminum reflector assembling along with cross louvers including necessary fluorescent tubes with Energy Saving Electronic Ballast.2x4'-28Watts								
	3rd Bill	Nos							
	Gym Room						8		
	Yoga Room						8		
	Total						**16**	**4630.00**	**74080.00**
	Tender quoted rates	**4630.00**							

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
38	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition LED modular down light 2'x2'-36 watts								
	3rd Bill	Nos							
	Central Room						4		
	Total						4	9474.00	37896.00
	Tender quoted rates	**9474.00**							
39	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition3)LED modular down light 2'x2'-55 watts								
	3rd Bill	Nos							
	Central Room						1		
	Total						1	10774.00	10774.00
	Tender quoted rates	**10774.00**							
40	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.								
	3rd Bill	No							
	Passage						3		
	Total						3	5684.00	17052.00
	Tender quoted rates	**5684.00**							
41	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80.Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.								
	3rd Bill	Nos							
	Gym Room Corner						2		
	Portico upstage						1		
	Total						3	35922.00	107766.00
	Tender quoted rates	**35922.00**							

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
42	Supplying of recessed/surface mount aesthetic 2'x2' modular luminaries made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like Energy Saving Electronic Ballast suitable to operate on 230V 50Hz AC supply with 36Watts CFL-compact fluorescent lamp, pre-wired up to terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles. 3x36Watts								
	3rd Bill	Nos							
	Outside Protico						4		
	Total						**4**	**6742.00**	**26968.00**
	Tender quoted rates	**6742.00**							
43	LED Down light Supply of recess mounted rolling type LED Down light with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition. LED square or round down light 5x1								
	3rd Bill	Nos							
	Front Side & Outside Passage						30		
	Total						**30**	**1641.00**	**49230.00**
	Tender quoted rates	**1641.00**							
44	Supplying of recessed/surface mount aesthetic Square / rectangular modular luminary made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like electronic ballast suitable to operate on 230V 50Hz AC supply with 18Watts PLL-compact fluorescent lamp, pre-wired upto terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles.1x18Watts								
	3rd Bill	Nos							
	Outside Protico						2		
	Staircase on two side						4		
	Total						**6**	**1962.00**	**11772.00**
	Tender quoted rates	**1962.00**							
45	Supplying of recessed/surface mount aesthetic Square / rectangular modular luminary made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like electronic ballast suitable to operate on 230V 50Hz AC supply with 18Watts PLL-compact fluorescent lamp, pre-wired upto terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles2)2x18Watts								
	3rd Bill	Nos							
	Outside Protico						1		
	Total						**1**	**2229.00**	**2229.00**
	Tender quoted rates	**2229.00**							
46	Supplying and fixing 2mm thick perforated cable tray with powder coated paint on existing MS angle support using necessary GI bolts/nuts and washer or welding as required.150x50mm								
	Item not operated								
47	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 3.5 core 25 sqmm								
	3rd Bill	Mtrs							
	Yoga Room						60.00		
	Total						**60.00**	**190.00**	**11400.00**
	Tender quoted rates	**190.00**							
48	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.6)3.5 core 35 sqmm								
	3rd Bill	Mtrs							
	Building pavillion						45.00		
	East Side Gallery						75.00		
	Borewell						82.00		
	Shuttle Court						115.00		
	Skating						139.00		
	Pole to Pole						34.00		
	Opposite Skating (Pavillion)						101.00		

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Shuttle court Opposite (Pavillion)						45.00		
	Panel Board to West Side						64.00		
	Total						**700.00**		
				Qty Upto 125%			**62**	**234.00**	**14508.00**
				Qty above 125%			**638**	**234.00**	**149292.00**
	Tender quoted rates	**234.00**							
49	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.8)3.5 core 120 sqmm								
	3rd Bill	Mtrs							
	Gym Room Panel Board to KEB Pole						85.00		
	Total						**85.00**	**640.00**	**54400.00**
	Tender quoted rates	**640.00**							
50	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 25 sqmm to 75 sqmm								
	3rd Bill	Mtrs							
	Building pavillion						45		
	East Side Gallery						75		
	Borewell						82		
	Shuttle Court						115		
	Skating						139		
	Pole to Pole						34		
	Opposite Skating (Pavillion)						101		
	Shuttle court Opposite (Pavillion)						45		
	Panel Board to West Side						64		
							700		
				Qty Upto 125%			**187.50**	**19.00**	**3563.00**
				Qty above 125%			**513**	**19.00**	**9738.00**
	Tender quoted rates	**19.00**							
51	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.95 sqmm to150 Sqmm								
	3rd Bill	Mtrs							
	9 shops to Panel Board KEB Pole						85.00		
	Total						**85.00**	**25.00**	**2125.00**
	Tender quoted rates	**25.00**							
52	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)								
	3rd Bill	Mtrs							
	Gym Room to KEB Pole						85.00		
	Panel Board to West side						70.00		
	Panel Board to Skating Side						95.00		
	Total						250.00		
				Qty Upto 125%			**125**	**90.00**	**11250.00**
				Qty above 125%			**125**	**90.00**	**11250.00**
	Tender quoted rates	**90.00**							
53	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia								
	3rd Bill	Nos							
	Gym Room						1		
	Panel Board Room						2		
	Yoga Room						1		
	9 Shops						2		

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Total						6	3135.00	18810.00
	Tender quoted rates	3135.00							
54	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip								
	3rd Bill	Mtrs							
	Gym Room						20		
	Panel Board Room						28		
	Yoga Room						22		
	9 Shops						30		
	Total						100.00	89.00	8900.00
	Tender quoted rates	89.00							
55	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 600x600x3mm GI Plate								
	3rd Bill	Nos							
	Gym Room						1		
	Panel Board Room						2		
	Yoga Room						1		
	9 Shops						2		
	Total						6	901.00	5406.00
	Tender quoted rates	901.00							
56	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG								
	3rd Bill	Sq CM							
	Main Panel Board						315000.00		
	Total						315000.00	0.39	122850.00
	Tender quoted rates	0.39							
57	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm								
	3rd Bill	Mtrs							
	Main Panel Board						10.00		
	Total						10.00	302.00	3020.00
	Tender quoted rates	302.00							
58	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.50x50x6mm								
	3rd Bill	Mtrs							
	Main Panel Board						10.00		
	Total						10.00	389.00	3890.00
	Tender quoted rates	389.00							
59	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63 Amps SP								
	3rd Bill	Nos							
	Main Panel Board						10		
	Total						10	778.00	7780.00
	Tender quoted rates	778.00							
60	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 608985-32 Amps DP								
	3rd Bill	Nos							
	9 Shops Panel						11		
	Motor						3		
	Small Panel						4		
	Total						18	976.00	17568.00

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Tender quoted rates	**976.00**							
61	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63Amps TPN								
	3rd Bill	Nos							
	Gym Room						1		
	Yoga Room						1		
	Central Hall						1		
	Total						**3**	**2256.00**	**6768.00**
	Tender quoted rates	**2256.00**							
62	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32Amps								
	3rd Bill	Nos							
	Gym Room Panel Board						9		
	9 Shops Panel Board						9		
	Total						**18**	**207.00**	**3726.00**
	Tender quoted rates	**207.00**							
63	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers100Amps								
	3rd Bill	Nos							
	Gym Room to KEB Pole						6		
	9 Shops to KEB pole						6		
	Total						**12**	**414.00**	**4968.00**
	Tender quoted rates	**414.00**							
64	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE100Amps 25kA.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						7		
	Total						**7**	**6677.00**	**46739.00**
	Tender quoted rates	**6677.00**							
65	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE8)200Amps 35kA.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						2		
	Total						**2**	**16774.00**	**33548.00**
	Tender quoted rates	**16774.00**							
66	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply.200Amps								
	3rd Bill	Nos							
	2 Panel Board(main panel)						2		
	sub panel						1		
	Total						**3**	**14500.00**	**43500.00**
	Tender quoted rates	**14500.00**							
67	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.250Amps 4x30x10mm Aluminum Strips								
	3rd Bill	Mtrs							
	2 Panel Board(main panel)						3		
	sub panel						2		
	Total						**5**	**3382.00**	**16910.00**
	Tender quoted rates	**3382.00**							
68	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 100-125Amps								

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Tender quoted rates	**976.00**							
61	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63Amps TPN								
	3rd Bill	Nos							
	Gym Room						1		
	Yoga Room						1		
	Central Hall						1		
	Total						**3**	**2256.00**	**6768.00**
	Tender quoted rates	**2256.00**							
62	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32Amps								
	3rd Bill	Nos							
	Gym Room Panel Board						9		
	9 Shops Panel Board						9		
	Total						**18**	**207.00**	**3726.00**
	Tender quoted rates	**207.00**							
63	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers100Amps								
	3rd Bill	Nos							
	Gym Room to KEB Pole						6		
	9 Shops to KEB pole						6		
	Total						**12**	**414.00**	**4968.00**
	Tender quoted rates	**414.00**							
64	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE100Amps 25kA.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						7		
	Total						**7**	**6677.00**	**46739.00**
	Tender quoted rates	**6677.00**							
65	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE8)200Amps 35kA.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						2		
	Total						**2**	**16774.00**	**33548.00**
	Tender quoted rates	**16774.00**							
66	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply.200Amps								
	3rd Bill	Nos							
	2 Panel Board(main panel)						2		
	sub panel						1		
	Total						**3**	**14500.00**	**43500.00**
	Tender quoted rates	**14500.00**							
67	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.250Amps 4x30x10mm Aluminum Strips								
	3rd Bill	Mtrs							
	2 Panel Board(main panel)						3		
	sub panel						2		
	Total						**5**	**3382.00**	**16910.00**
	Tender quoted rates	**3382.00**							
68	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 100-125Amps								

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Item not operated								
69	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						95		
	Total						**95**	**24.00**	**2280.00**
	Tender quoted rates	**24.00**							
70	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						4		
	Total						**4**	**1407.00**	**5628.00**
	Tender quoted rates	**1407.00**							
71	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						6		
	Total						**6**	**555.00**	**3330.00**
	Tender quoted rates	**555.00**							
72	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.								
	3rd Bill	Nos							
	2 Panel Board(main panel & sub panel)						6		
	Total						**6**	**508.00**	**3048.00**
	Tender quoted rates	**508.00**							
73	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm								
	Item not operated								
74	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 65mm								
	3rd Bill	Mtrs							
	2 Panel Board(main panel & sub panel)						10.00		
	Total						**10.00**	**672.00**	**6720.00**
	Tender quoted rates	**672.00**							
75	Supplying, fixing and wiring rotary selector switch suitable for Ammeter.								
	3rd Bill	Each							
	2 Panel Board(main panel & sub panel)						4		
	Total						**4**	**198.00**	**792.00**
	Tender quoted rates	**198.00**							
76	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter.								
	3rd Bill	Each							
	2 Panel Board(main panel & sub panel)						4		
	Total						**4**	**161.00**	**644.00**
	Tender quoted rates	**161.00**							
77	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.120Sqmm								
	3rd Bill	Nos							
	2 pole (KEB Pole)						4		
	Total						**4**	**1318.00**	**5272.00**
	Tender quoted rates	**1318.00**							
78	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.								
	3rd Bill	Sq CM							
	2 Panel Board(main panel & sub panel)						45000		
	Total						**45000.00**	**0.26**	**11700.00**
	Tender quoted rates	**0.26**							

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
79	Supplying High pressure ..... Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminum housing powder coated with toughened and heat resistant glass with low copper content black/grey powder coated paint finish with EPDM gasket. Reflector shall be made of high purity pre-anodized aluminum. Cable entry through a cable gland with toggle clips. IP 65 protection for both and optical and electrical compartment. Bottom cover may be with polycarbonate / tempered / toughened glass. Luminaire efficiency should be > 60% and ambient temperature > 35 deg C. High intensity discharge Electro magnetic ballast with copper winding of Octocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety and IEC 60923- performance. Winding temperature for HID ballast tw = 130 deg C and temperature rise ?T - 70 deg C. Luminaire shall be suitable to operate on 230/250Volts 50Hz AC supply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass, prewired to terminal block.2x400Watts								
	3rd Bill	Nos							
	Main building fron side						2		
	Back side						2		
	Total						**4**	**26209.00**	**104836.00**
	Tender quoted rates	**26209.00**							
	TOTAL								**32950854.00**
1	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton.Page No:16 I.No:4.3								
	Pavillion Building columns	Sqm							
	F1		1	2.10		1.9	3.99		
	F2		1	2.10		1.90	3.99		
	F3		1	2.10		1.03	2.16		
	F4		1	2.10		1.00	2.10		
	F5		1	2.10		1.00	2.10		
	F6		1	2.10		0.96	2.02		
	F7		1	2.10		1.87	3.93		
	F8		1	2.10		1.90	3.99		
	B1		1	2.10		1.04	2.18		
	B2		1	2.10		1.05	2.21		
	B3		1	2.10		1.05	2.21		
	B4		1	2.10		1.00	2.10		
	B5		1	2.10		1.00	2.10		
	B6		1	2.10		1.05	2.21		
	B7		1	2.10		1.05	2.21		
	B8		1	2.10		0.97	2.04		
	Total						**41.52**	**432.59**	**17960.00**
	Basic rate	355.00							
	Area Weightage at 6%	21.30							
	Total	**376.30**							
	Add tender premium 14.96%	56.29448							
	Grand Total	**432.59**							
2	Providing Half nosing for 20mm thick using required machinery including cost and conveyance of all materials labour for all items of work HOM of equipment etc., complete as per specification page No.108 It .No:14.56								
	Gallery steps west side	Rmtr							
	1st Step		1	51.20			51.20		
	2nd Step		1	52			52.00		
	3rd Step		1	52.9			52.90		
	4th Step		1	53.8			53.80		
	5th Step		1	54.8			54.80		
	Gallery steps South side								
	totally 4 steps		4	70.5			282.00		
	Total						**546.70**	**188.88**	**103260.00**
	Basic rate	155.00							

Sl.No	Description of Item	Unit	No	Length (M)	Width (m)	Depth (m)	Quantity	Rate	Amount
	Area Weightage at 6%	9.30							
	Total	**164.30**							
	Add tender premium 14.96%	24.57928							
	Grand Total	**188.88**							
3	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Page No.17, Item no:4.46.2								
	PavillionBuilding columns	Tonne					**0.706**	**78761.44**	**55606.00**
	Basic rate	64634.00							
	Area Weightage at 6%	3878.04							
	Total	**68512.04**							
	Add tender premium 14.96%	10249.4							
	Grand Total	**78761.44**							
4	KSRRB M300-Construction of Embankment with Material Gravel/Murrum KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305.(BCSR 2016-2017, Page 147, Item No 19.60)								
		Cum							
	play ground area		1	31	31.00	0.075	72.08		
							72.08	**350.95**	**25295.00**
	Basic rate	288.00							
	Area Weightage at 6%	17.28							
	Total	**305.28**							
	Add tender premium 14.96%	45.67							
	Grand Total	**350.95**							
							Sub Total		**202121.00**
							Grand Total		**33152989.92**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates.

Assistant Engineer,
Yelahanka Project Division

Asst. Exec. Engineer, 04/10/17
Yelahanka Project Division

Executive Engineer,
Yelahanka Project Divi

"Modified
Technical Sanction"
Accorded For 331.53 lakhRs.
Head of A/C P3089
CER NO : "01" Dt: 06-10-17

TA CE (YNK)